XVII. *Extract of a Meteorological Journal for the Year 1774, kept at* Briſtol, *by* Samuel Farr, *M. D.*

Redde, March 23, 1775.

Months	Barometer. Higheſt	Loweſt.	Mean.	Viciſſitude.	Rain.
January	30,1	28,8	29,5	1 1–2	4,951
February	30,4	29,2	29,7	0 9–1	5,549
March	30,2	29,1	29,7	0 9–4	5,297
April	30,1	29,3	29,7	0 8–5	2,349
May	30,1	29,3	29,9	0 7–4	2,955
June	30,2	29,4	29,7	0 6–3	2,602
July	30,2	29,7	29,8	0 4–1	2,972
Auguſt	30,2	29,4	29,8	0 5–2	2,999
September	30,1	29,0	29,6	0 7–2	7,035
October	30,5	29,3	30,0	0 8–2	1,927
November	30,2	29,2	29,7	0 6–1	1,683
December	30,6	29,0	29,7½	0 7–2	2,047
					42,366

The barometer was placed ſeventeen yards above the level of the river Avon, which runs very near to my houſe. By viciſſitude is meant the greateſt riſe or fall of the quickſilver in the ſmalleſt number of days.

S. FARR.

Dr.

Dr. FARR had alſo given the mean heights of the thermometer within doors for every month in the year. But theſe are omitted, becauſe obſervations of the thermometer in the houſe are of no importance, unleſs accompanied with correſponding ones of an inſtrument kept in the ſhade in the open air. The air of a room, though kept without a fire, and ſo ſituated as never to ſee the Sun, alters its degree of heat or cold ſo much more ſlowly than the external air, that no judgement can be formed of the temperature of the one from that of the other: except after a continuance of weather of the ſame kind for a long time together, their mutual relation is vague and undetermined. Dr. FARR likewiſe ſent a particular account of the winds and changes of the weather for every day of the year; from which I have compoſed the two following tables.

S. HORSLEY.

An abridged TABLE of the WINDS for BRISTOL, for the Year 1774.

	N	S	E	W	NW	SE	NE	SW		Number of Froſty Days.
January	3½	½	6	3	1½	2	7	7½	31	10
February	½	1½	½	1	3½	3	5½	11½	27	7
March	½	1½	4½	½	3½	5½	11	4	31	7
April	½	2	½	0	8	4½	5	8½	29	
May	½	1½	2	0	2	2	14½	8½	31	
June	1	2½	2	½	4	1	2½	16½	30	
July	1	1	0	2	6½	2	0	17½	30	
Auguſt	0	½	1½	0	1	4	6½	17½	31	
September	½	½	0	½	4	10	7½	7	30	
October	0	1	2	½	3½	6	5½	12½	31	Froſt at times.
November	1	½	0	0	4	5	13½	6	30	Froſty nights.
December	0	0	3	0	½	8	13½	6	31	18
	9	13	22	8	42	53	92	123		42

3 days in the year are omitted in Dr. FARR's account; *viz.* Feb. 7. April 29. and July 12.

Thunder.

Thunder, February 16. 23. 24. S.W.
March 8. 20. E. 28. E. and W. 30. E. and N.E.
April 27. with hail ſtorm, S.W. and N.W.
May 1. 4. N.E. 9. 10. E. 24. S.W. and S.E.
June 25. S.W. and S.
July 10. S.W. 26. N. and N.W.
September 4. S.E. and N.E. 6. N.W. 12. S.W. and S.E.

TABLE for Trial of the Moon's Influence at BRISTOL, for the Year 1774.

	Laſt Qr.	New.	1ſt Qr.	Full.			
	D. H.	D. H.	D. H.	D. H.	~ — * — ~ *		
Jan.	5 6	21 21	19 3	27 7	1 5 10 13 19 22 30	7	2
Feb.	3 15	20 9	18 0	25 23	~ 7 ⊙ +	1	1
Mar.	4 22	11 22	19 20	27 11	~ — ~ ~ 6 10 17 20 30	5	1
Apr.	3 5	10 12	18 15	25 22	⊙ ~ ⊙ 6 10 13	3	1
May	2 12	10 3	18 7	25 5	~ ⊙ 1 10 19	3	1
				Laſt Qr. 31 20			
	New	1ſt Qr.	Full.	Laſt Qr.			
June	8 18	16 19	23 12	30 7	~ ⊙ 1 6 13	3	1
July	8 9	16 5	22 19	29 20	~ ~ ⊙ ~ ⊙ ~ 1 10 14 17 19 26	6	2
Aug.	7 0	14 12	21 3	28 12	⊙ ~ ~ 1 3 7 25	4	3
Sept.	5 14	12 17	19 13	27 7	Only 9 fair days.		
Oct.	5 3	12 0	19 2	27 3	⊙ ~ ⊙ ~ 6 17 25 30	4	0
Nov.	3 15	10 7	17 18	25 23	Cloudy with rain till the 5th. hard rain, then frequent frosty nights and gentle rain in the day-time.		
Dec.	3 2	9 17	17 12	25 17	— ~ 3 11 21	3	2
						39	14

When a number appears in this table without any character over it, it is to be underſtood, that the weather was quite unſettled from that day to the next bearing a mark; and when two or more marks are found over the ſame number, all the different kinds of weather, denoted by the ſeveral marks, took place on that day. The ſame is to be underſtood in the tables, p. 177. and p. 193.

This table diſtinguiſhes the changes of weather which fell on the days of true ſyzygie, true quadrature, and true octagonal aſpect. Setting aſide the very changeable months of September and November, there were 39 changes in the remaining 10, fourteen of which happened upon the days ſpecified; which is almoſt 4 more than belong to them on the even chance. Of theſe 14 changes, only four fell upon the day of a new moon, and none at all upon the day of the full.

XVIII. *Ex-*